



## Data Sheet

**CSK** (human, recombinant, N-terminal GST tag)

**Description:** Human CSK (GenBank Accession No. NM\_004383), full length with N-terminal GST tag, MW= 80 kDa, expressed in an Baculovirus infected Sf9 cell expression system.

**Source:** Baculovirus infected Sf9 cells

**Formulated in:** 25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 30% glycerol, 10 mM reduced glutathione, and 3 mM DTT.

**Stability:** >6 months at -80°C

**Purity:** >90% by SDS-PAGE.

**Specific Activity:** 100 U/mg. One unit is defined as the amount of enzyme that will transfer 1 nmol phosphate to Tyr substrate per minute at pH 7.4 and 30°C. Assay buffer: 50 mM HEPES, pH 7.4, 3 mM MgCl<sub>2</sub>, 3 mM MnCl<sub>2</sub>, 1 mM DTT, 3 uM Na-orthovanadate, 0.1 mM ATP, 30 ug/ml Poly (Glu:Tyr)4:1 substrate, and 1 ug/ml recombinant CSK.

**Application:** useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

| Enzyme  | Lot  | Species | Concentration | Specificity |
|---------|------|---------|---------------|-------------|
| GST-CSK | 1001 | human   | 0.3 mg/ml     | 100 U/mg    |

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